

AMENDMENTS

In the Drawings:

Please add the enclosed FIGS. 1 – 17. No new matter has been introduced by the drawings.

In the Abstract:

Please replace the abstract with the following paragraph:

-- A light guide writes a Bragg grating in a transparent substrate by transferring the interference pattern between two light beams with the same wavelength and coherent with each other but with an angular offset. The interference pattern is transferred directly in the substrate in the form of a modulation of the refraction index of this substrate. At least one of the light beams is divided into at least two sub-beams offset in phase with respect to each other. --

In the Specification:

Please replace “splitter” with “plate” in the specification at:

Page 4, lines 15, 19. page 6, lines 17, 20, 24. page 7, line 2. page 8, lines 5, 8. page 9, lines 5, 18, 19, 23, 24. 26, 30. Page 10, lines 2, 9, 13, 18, 21, 24, 29, 30. Page 11, lines 4, 5, 7, 14, 20, 22, 24, 26, 29. Page 12, lines 1, 6, 17. Page 13, line 11. Page 14, line 19. Page 15, lines 3, 17. Page 16, line 12. Page 25, line 5. Page 27, line 23. Page 28, line 27. Page 34, line 6.